

Figure 1

Prior Art

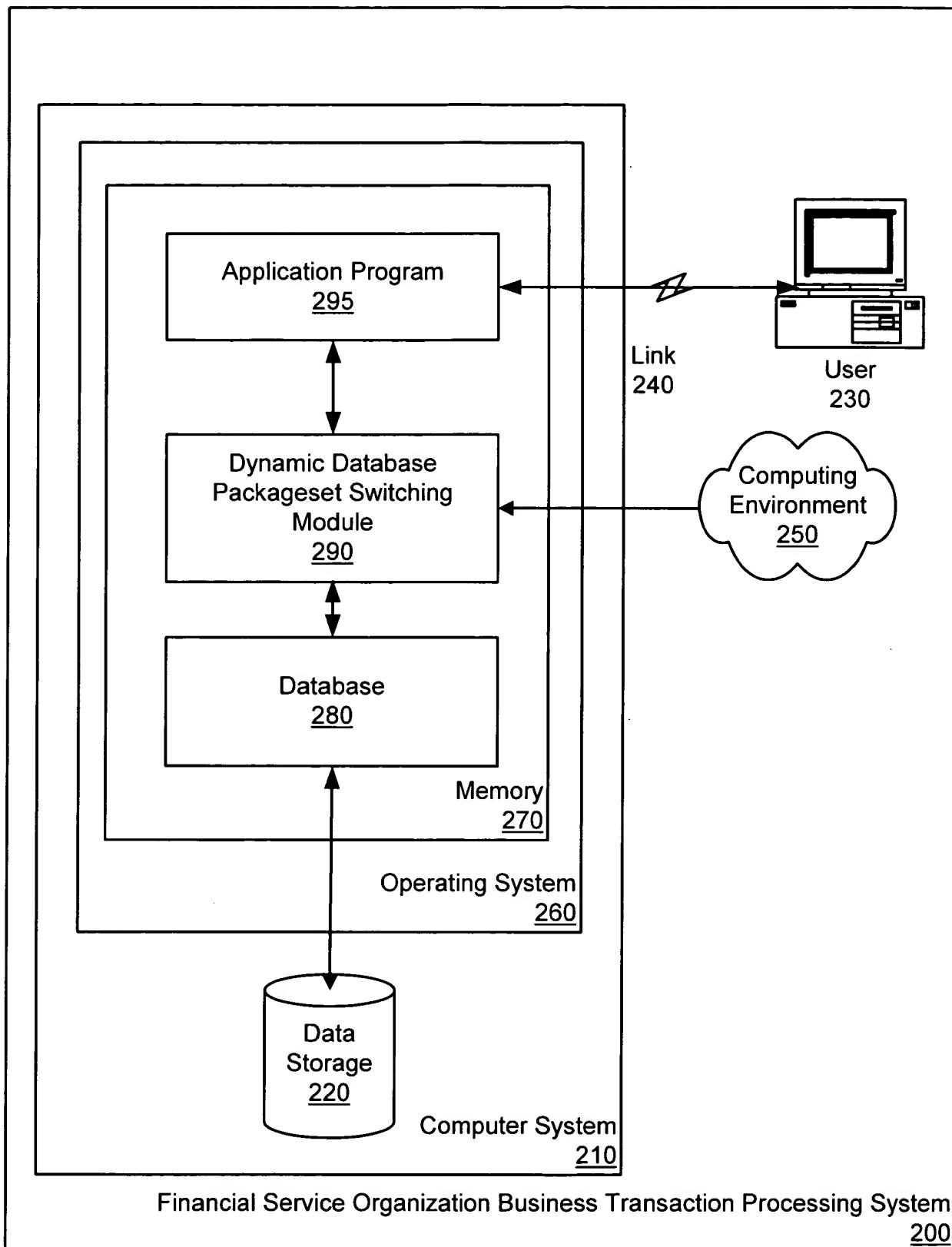


Figure 2

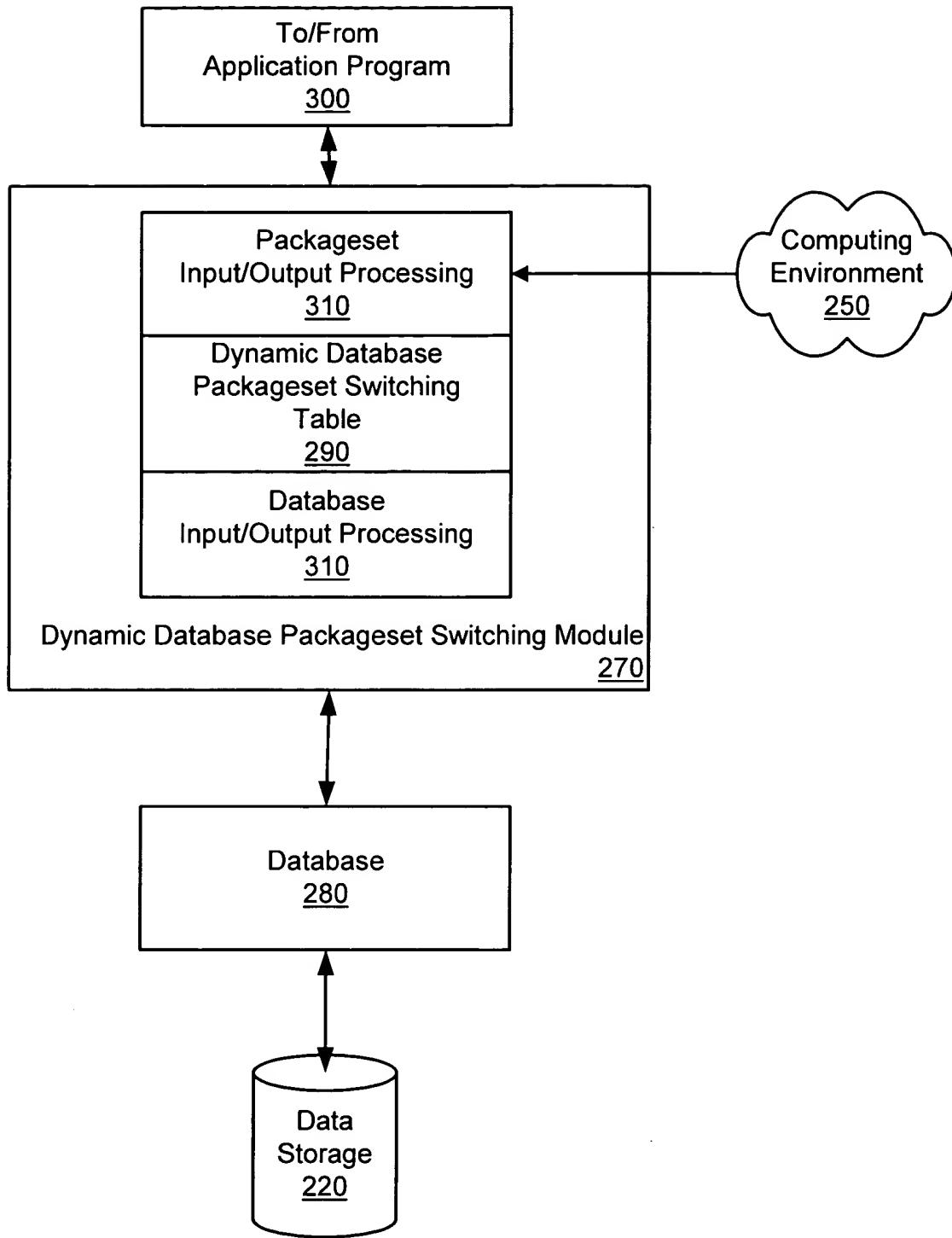


Figure 2a

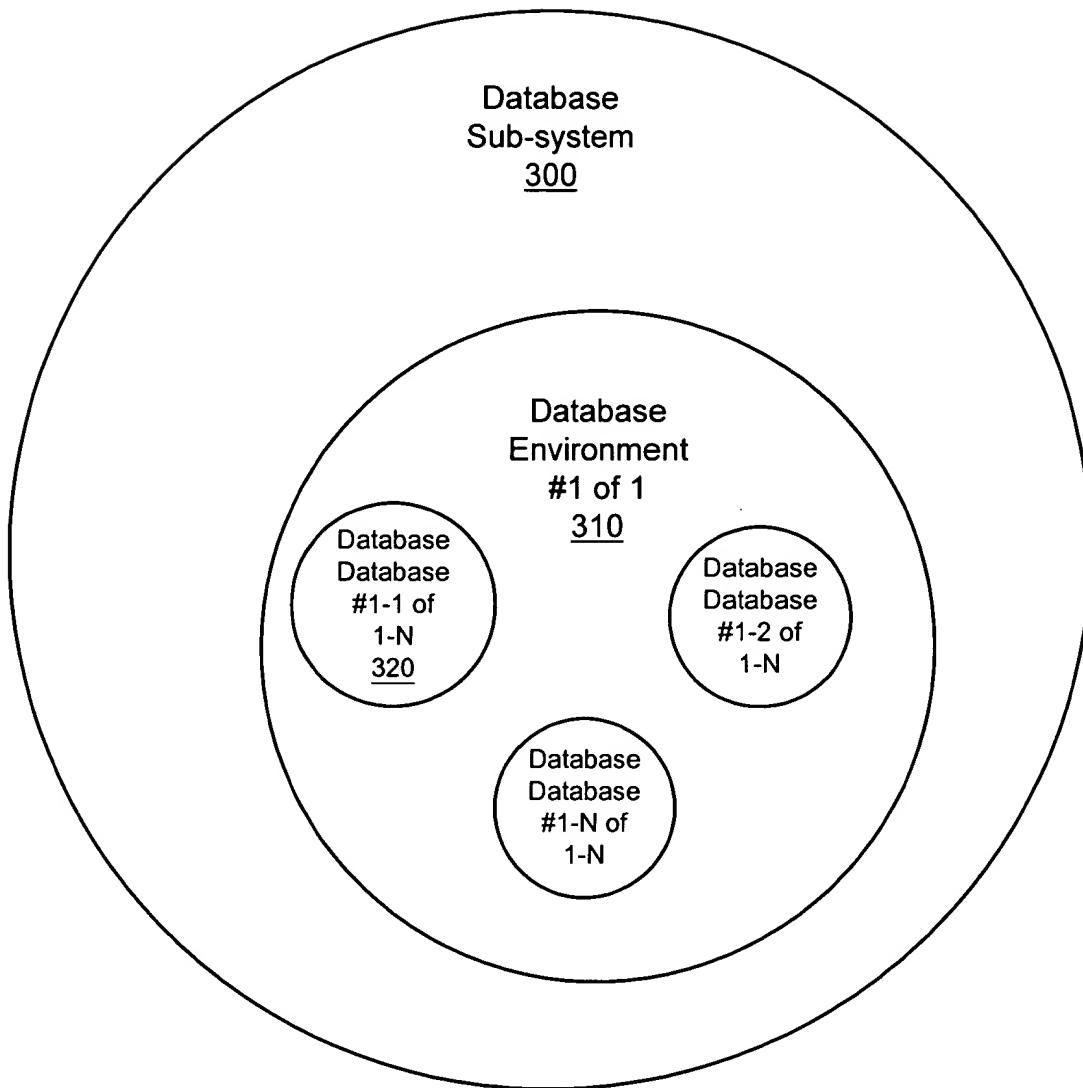


Figure 3

Prior Art

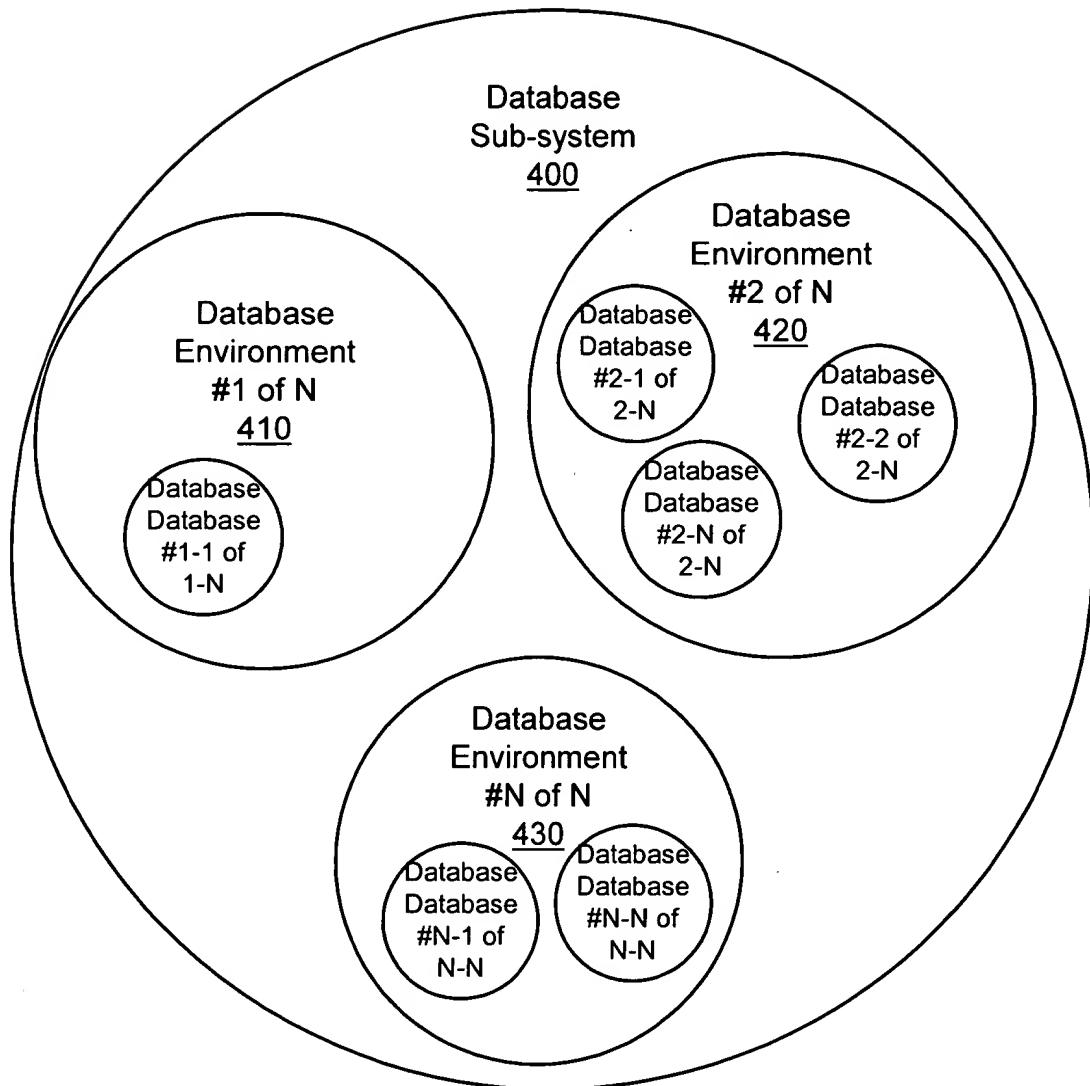
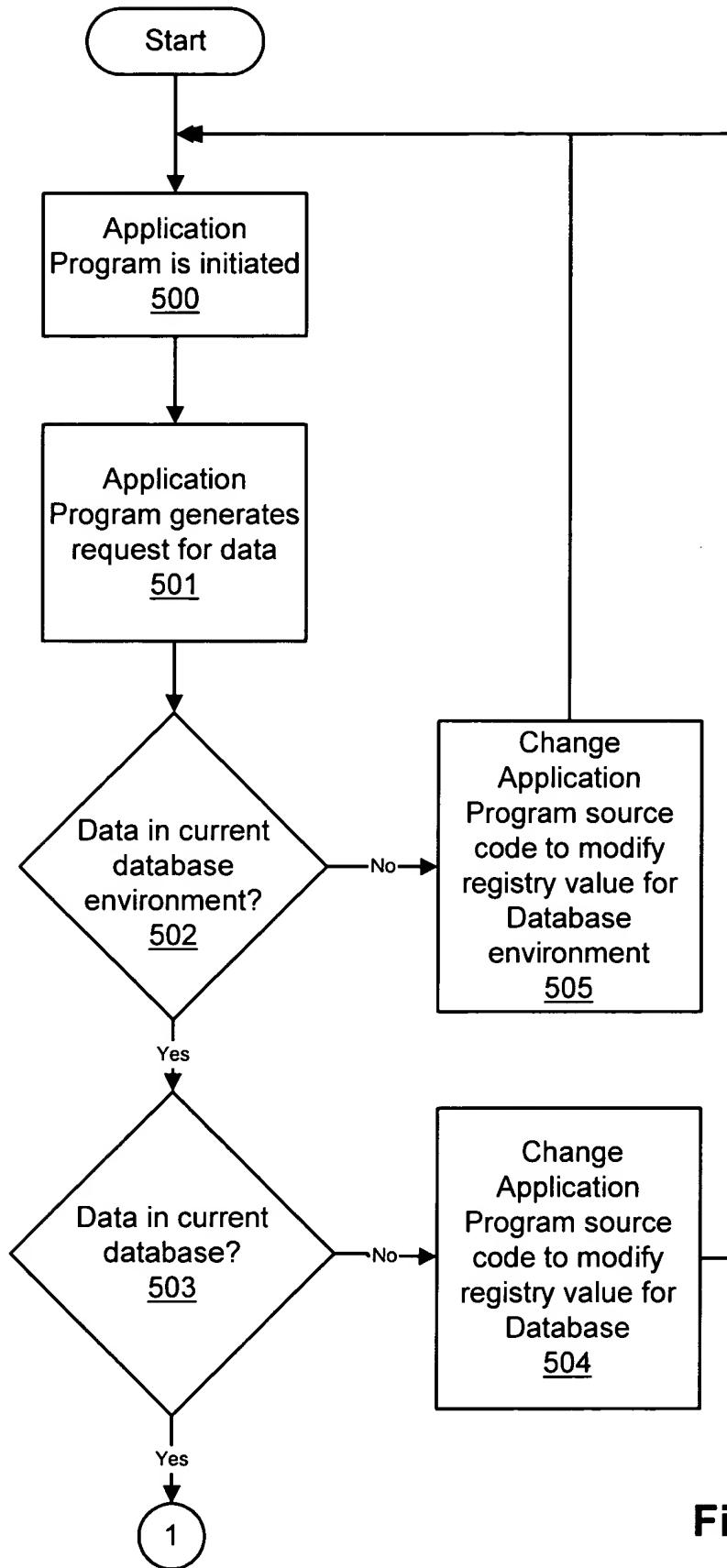


Figure 4

**Figure 5****Prior Art**

000000000000000000000000

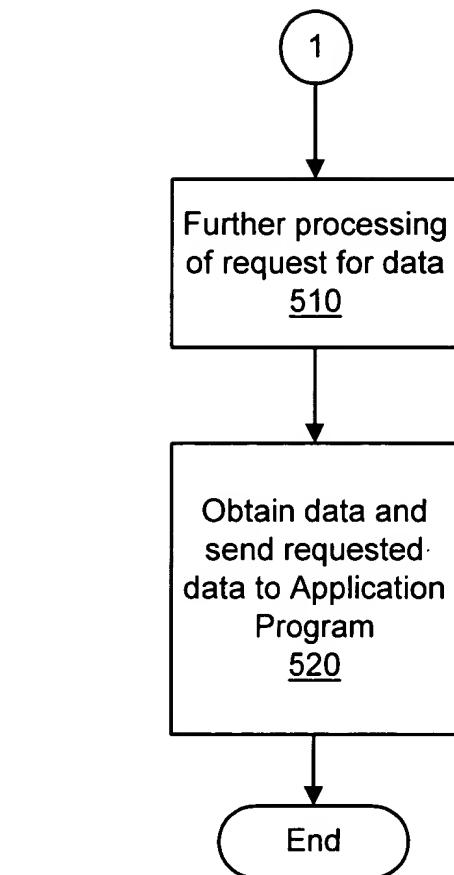


Figure 5a

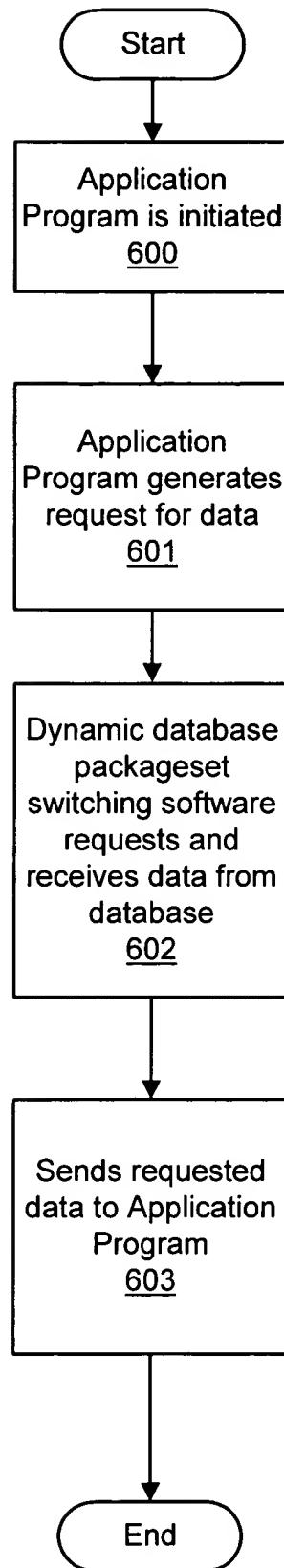
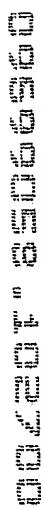


Figure 6

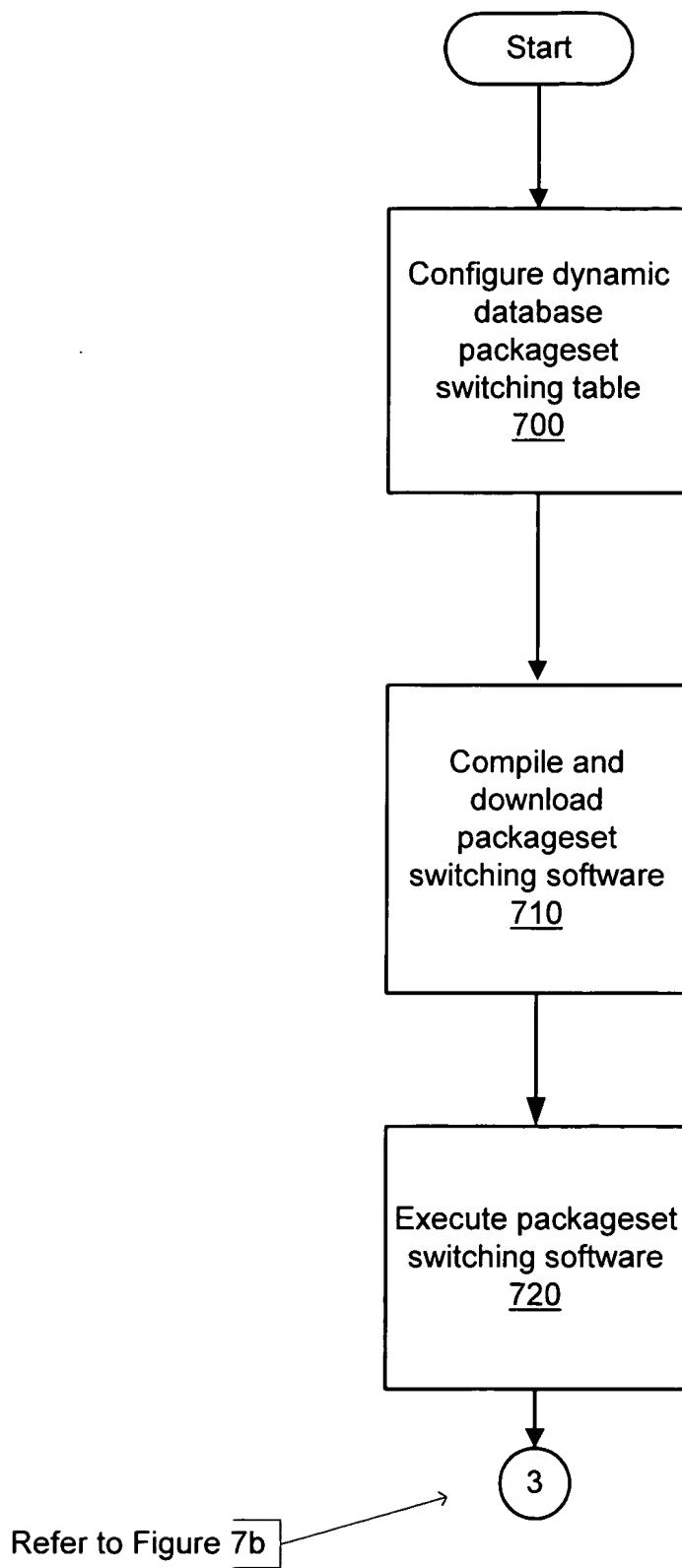
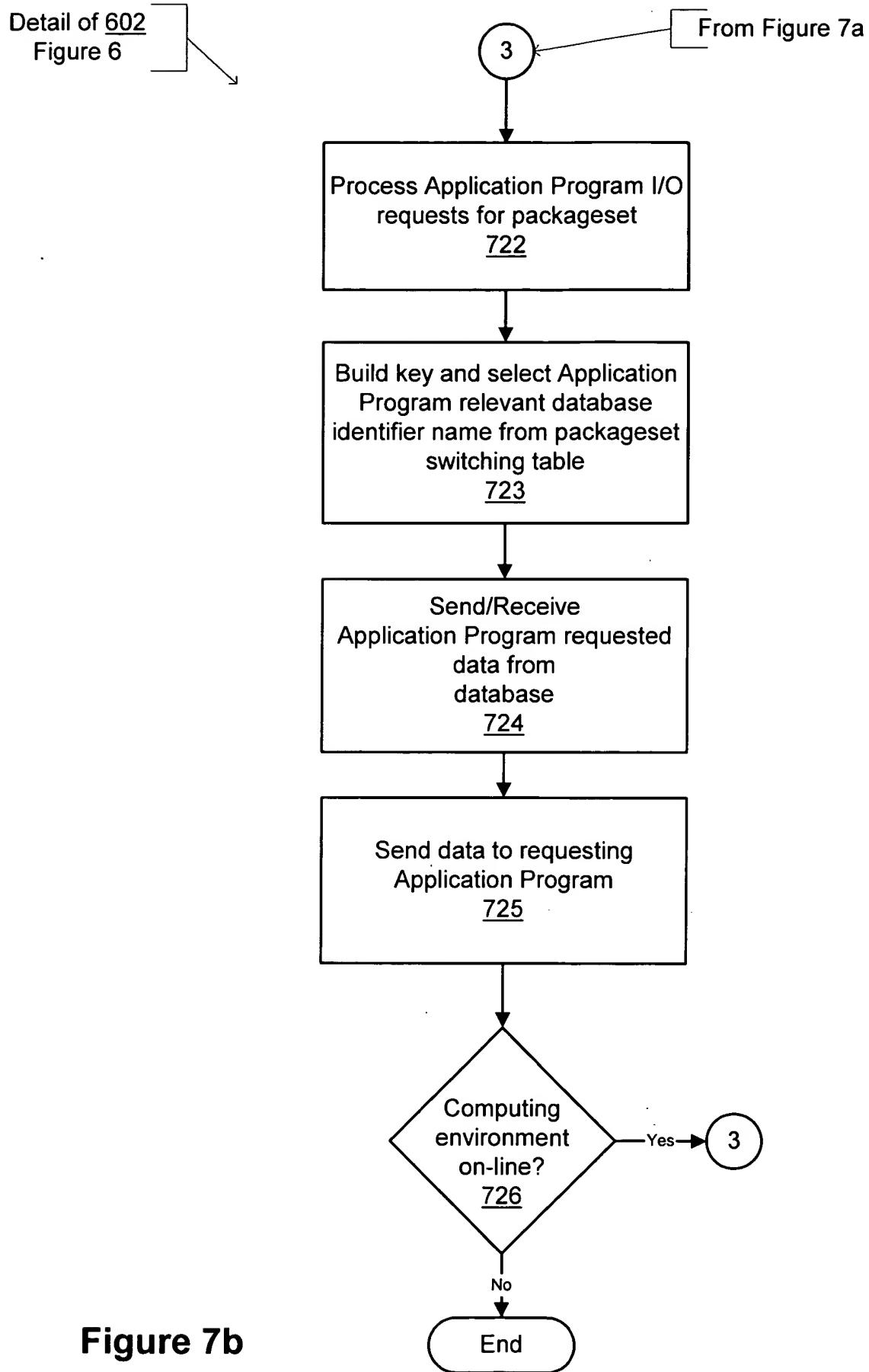


Figure 7a

**Figure 7b**

800 800 800 800 800 800 800 800 800 800

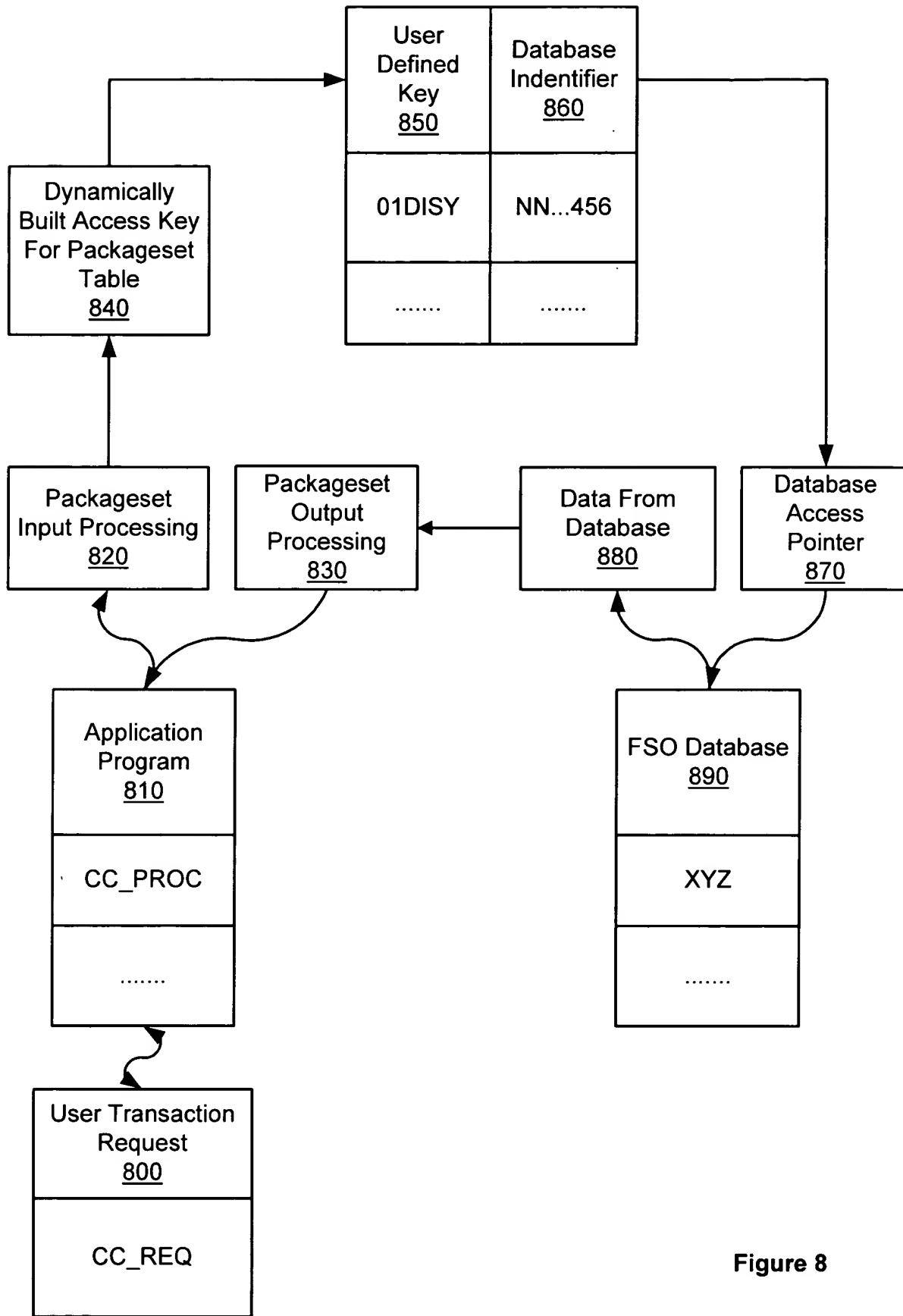
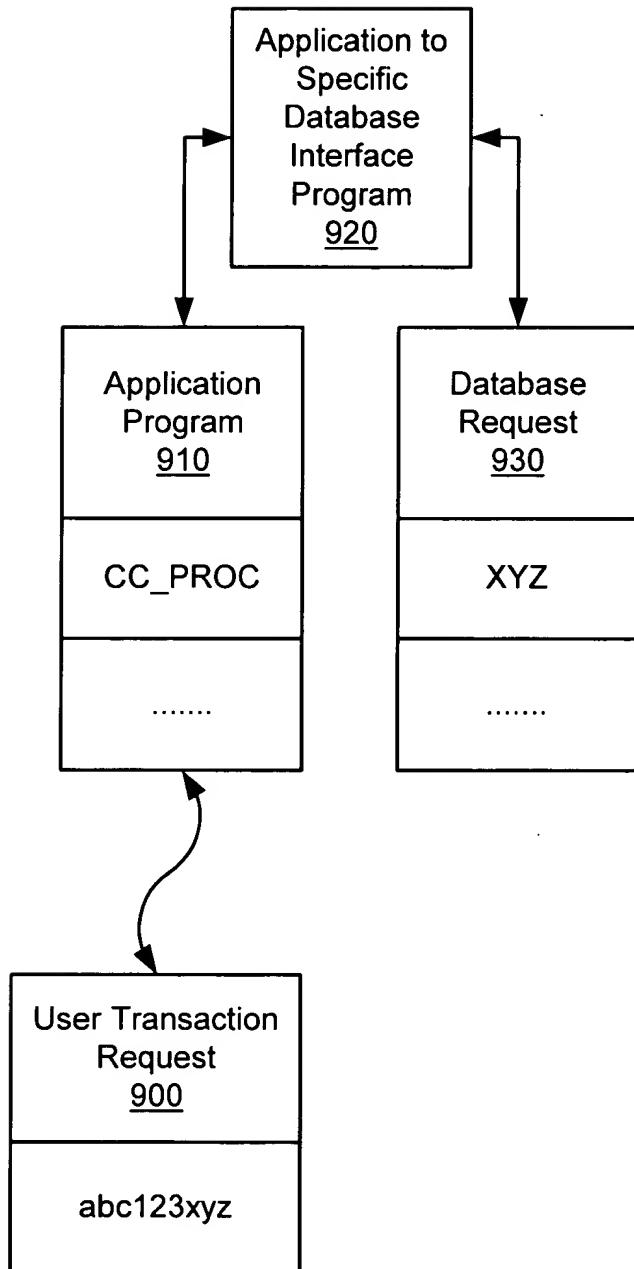


Figure 8

002201-8506960



PRIOR ART

Figure 9

0042007-85066360

Diagram illustrating a table structure with two columns: DICTIONARY ELEMENTS and USEABLE IN KEYS?. The table lists 26 elements (A-Z) and their corresponding useability status. Arrows labeled 122 and 124 point to the first two rows of the table. A label 120 is positioned to the right of the table.

<u>DICTIONARY ELEMENTS</u>	<u>USEABLE IN KEYS?</u>
A	NO
B	NO
C	NO
D	NO
E	NO
F	NO
G	NO
H	NO
I	NO
J	NO
K	NO
L	NO
M	NO
N	YES
O	YES
P	YES
Q	YES
R	YES
S	YES
T	YES
U	YES
V	YES
W	YES
X	YES
Y	YES
Z	YES

FIGURE 10

132

134

130

<u>AVAILABLE KEY ELEMENTS</u>	<u>USEABLE IN KEY?</u>
N	NO
O	NO
P	NO
Q	NO
R	NO
S	NO
T	NO
U	NO
V	YES
W	YES
X	YES
Y	YES
Z	YES

FIGURE 11

142

144

146

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<u>AVAILABLE KEY ELEMENTS</u>	<u>USE AS KEY FIELD?</u>	<u>SEQUENCE</u>
V	NO	N/A
W	YES	2
X	YES	1
Y	NO	N/A
Z	YES	3

FIGURE 12

KEY FIELD	FIELD SEQUENCE	ELEMENT NAME	FIELD LENGTH	FIELD TYPE
X	1	COMPANY ID	2	NUMERIC
W	2	CREDIT CARD TYPE	3	CHARACTER
Z	3	ON US/NOT ON US	1	CHARACTER

FIGURE 13

ROW	KEY VALUES	PACKAGESET SWITCHING TABLE VALUES	DATABASE IDENTIFIER VALUE
1	X		
2	12	VIS	NN1234567890123456
3	12	DIS	NN1234567890123457
4	12	*	NN1234567890123458
5	14	VIS	NN1234567890123459
6	14	DIS	NN1234567890123460
7	*	*	NN1234567890123461
			NN1234567890123462

FIGURE 14

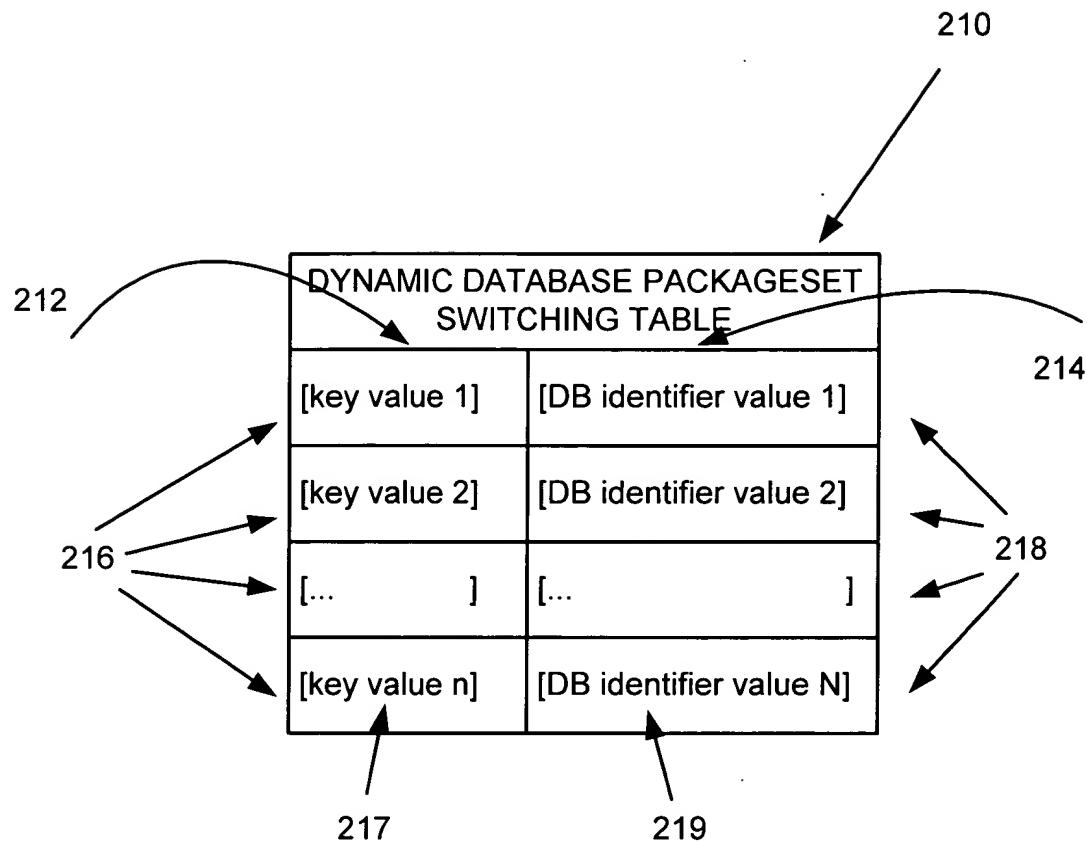


FIGURE 15